

Yorkshire Water Report to Gouthwaite Board of Management April 2021

2019-2020

The chart shows reservoir levels and releases (required and actual) for the period January 2019 to March 2020. Conditions were variable, with the winter of 2020 being very wet (February 2020 was one of the wettest months ever recorded, and over 300% of the long term average LTA rainfall), and spills occurring frequently. By the end of March 2020, conditions became much drier.

2020-2021

The end of spring and summer 2020 were very dry. Regionally conditions changed from the extremely wet February, to a slightly dry March (with high rainfall at the start of the month and low rainfall at the end resulting in an average of about 65% for the month as a whole). April and May were then significantly drier than usual (only 20% and 24% LTA respectively). Reservoir releases decreased from spilling and over 1000MI/d in March to only 28MI/d in early June. Preparations were being made for Drought Permit applications in the Yorkshire Water Region, due to rapidly falling reservoir stocks caused by the dry weather and the high demand for water (partially driven by the COVID-19 lockdown), and the extremely high temperatures. Rain in June returned conditions to normal, and refilled Gouthwaite, which spilled again in early July.

Siphon installation Phase 2

Yorkshire Water will install the second part of the Siphon installation in the summer of 2021. Some control of the reservoir level will be necessary during elements of the construction. Yorkshire Water will strive to ensure that the impact and duration are kept to a minimum and desire that this is less than it was for the reconstruction of the spillway and the first part of the siphon. We have had discussions with Glasshouses Trout Farm, Nidderdale Anglers, and Tom Wheelwright, and will keep all parties updated.

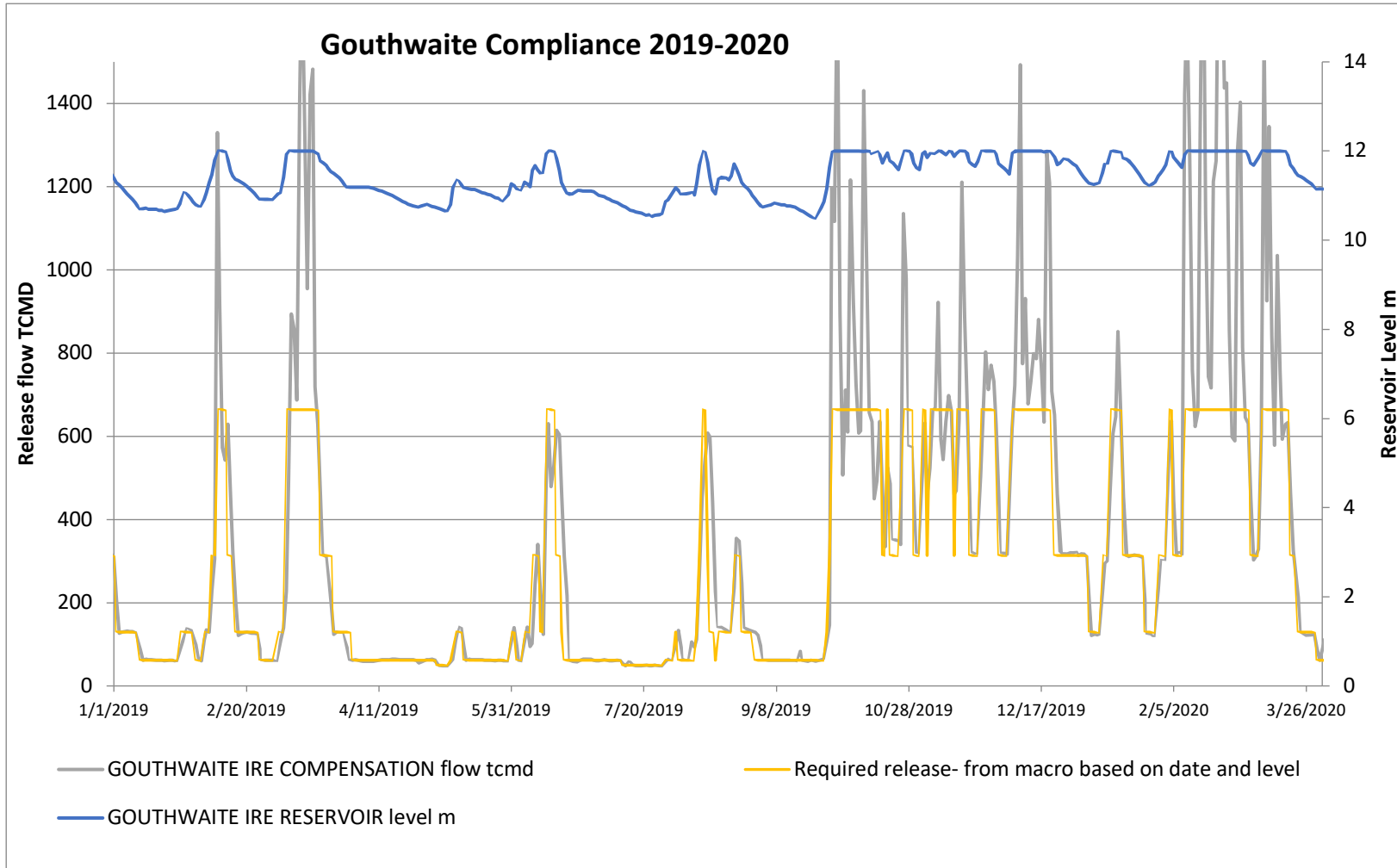
Our plan is to manage the drawdown as we did in 2017, and to attempt to maintain releases above 40MI/d, but if we experience a prolonged dry period,

releases will need to be reduced (as they were in 2020, when no drawdown was in place). We will try to ensure that releases below 40MI/d are not lower than they would have been without the drawdown in place.

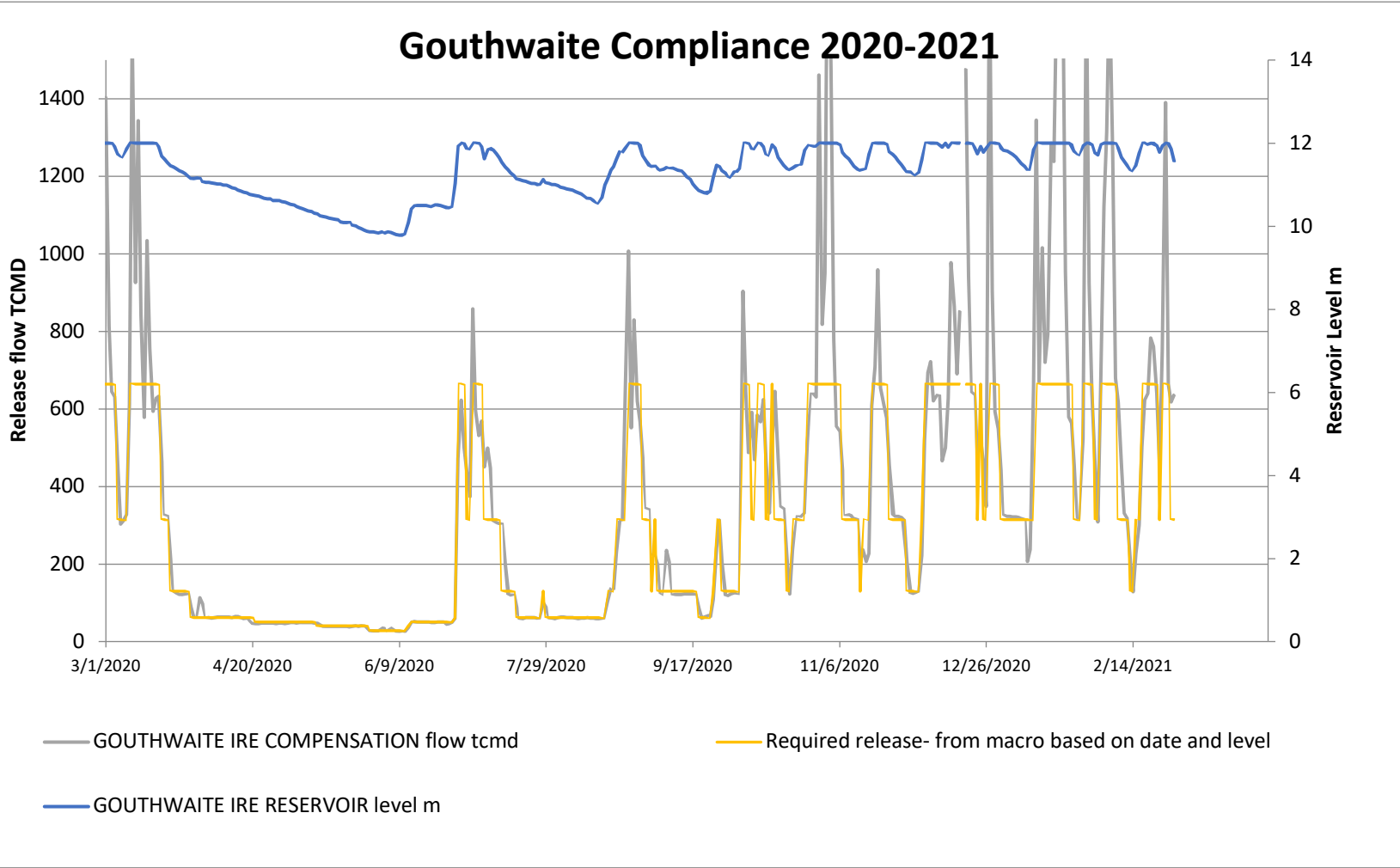
Current planned drawdown dates are as follows:

- -1.0m TWL by 03/05/2021
- -2.7m TWL by 14/05/2021
- -2.7m TWL relaxation by 07/10/2021

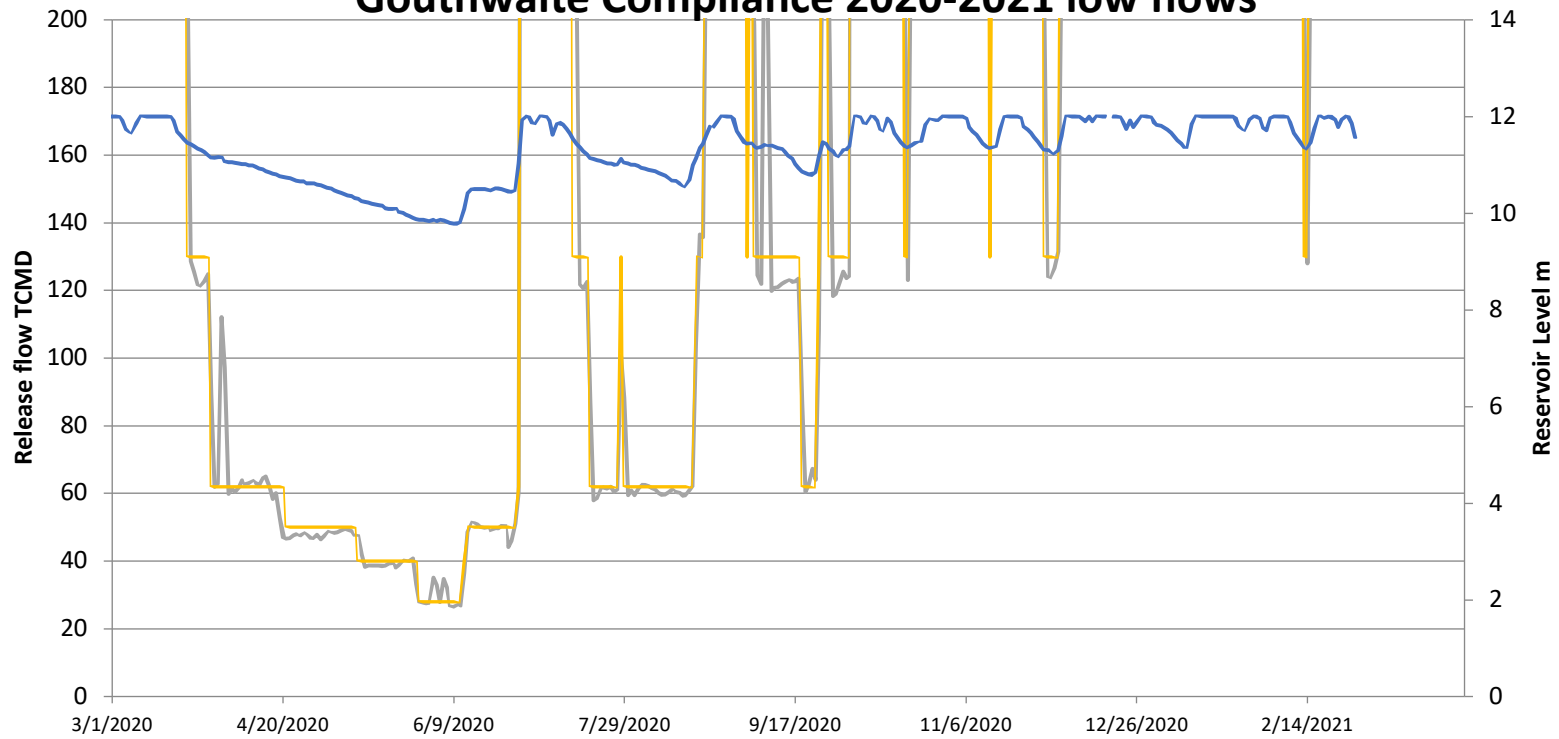
Gouthwaite Levels and compensation releases



Gouthwaite Compliance 2020-2021



Gouthwaite Compliance 2020-2021 low flows



— GOUTHWAITE IRE COMPENSATION flow tcmd

— Required release- from macro based on date and level

— GOUTHWAITE IRE RESERVOIR level m